

KEY CHEMICAL RESISTANT WALL COATING #644

DESCRIPTION

KEY RESIN #644 is a specially formulated chemical resistant epoxy coating for wall and containment applications. **KEY RESIN #644** should be used in areas requiring a high build, acid and alkali resistant, protective coating. **KEY RESIN #644** provides a smooth, high gloss finish.

KEY RESIN #644 is available with **Key Bioclean** for antimicrobial performance.

KEY ADVANTAGES

- 100% Solids—low odor application and cure
- Suitable for Immersion and wet process service applications
- Superior stain and chemical resistance
- Bonds well to cool, damp substrates

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials

COMPOSITION

100% Solids Epoxy Resin, Aliphatic Amines and Fillers

COLOR SELECTION

KEY RESIN #644 is available in **Key Standard Colors**, and Custom Colors as approved.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in **KEY RESIN COMPANY'S TECHNICAL BULLETIN #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased to answer any questions.

INSTALLATION

KEY RESIN #644 is installed over a smooth wall surface. Depending upon specification requirements, fiberglass cloth can be imbedded into a base coat of **KEY RESIN #644**. Successive applications of **KEY RESIN #644** are rolled onto the imbedded fiberglass to ensure a smooth surface and complete coverage of reinforcing fiberglass.

For complete instructions, consult installation guide or your **KEY REPRESENTATIVE**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

COVERAGE

KEY RESIN #644 will yield approximately 10 mils when spread at 160 ft² per gallon.

TECHNICAL DATA

Viscosity @ 75°F	2,000-2,500 cps
Mixing Ratio	2 Parts A to 1 Part B by Volume
Solids Content	100%, by volume
Volatile Organic Content (VOC)	-0-
Weight per gallon	11.0-11.5 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	40-50 minutes @ 75°F
Dry to Touch	8-10 hours @ 75°F
Re-Coat	8-12 hours @ 75°F
Light Service	24 hours @ 75°F
Full Cure & Maximum Resistance	5 days

AVAILABILITY

Key Resins are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

MAINTENANCE

After completing the application of **KEY RESIN #644**, the installer should provide the owner with maintenance instructions.

KEY RESIN #644 is easily cleaned with neutral soaps or detergents.

TECHNICAL SERVICE

Key Resin Company and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.

CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid-10%	R
Acetone	L
Ammonia Hydroxide-38%	R
Beer	R*
Bleach	L*
Brake Fluid	L
Citric Acid-30%	R
Citric Acid-40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	R
Gasoline	R
Hydrochloric Acid-37%	R
Lactic Acid-50%	R
Lactic Acid-80%	L
Methyl Ethyl Ketone	L
Nitric Acid-10%	R
Orange Juice	R
Peroxide-35%	L
Phosphoric Acid	L
Skydrol	R
Sodium Hydroxide-50%	R
Sulfuric Acid-20%	R
Toluene	L
Urea	R
Vinegar	R
Xylene	L

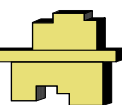
R-Recommended for continuous service.
 L-Limited Recommendation, occasional spills.
 *-May cause slight stain or discoloration

WARRANTY Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Key. If any product fails to meet this warranty, the liability of Key will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Key within (1) one year of delivery of materials. Key may in its discretion refund the price received by Key in lieu of replacing the material. No customer, distributor, or representative of Key is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Key. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Key reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. KEY'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND KEY SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



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